

CLAIMS:

1. A color cathode ray tube comprising a display screen, an electron gun for generating three electron beams, said electron beams being directed towards the display screen, and deflection means for generating a magnetic field in a first direction for deflecting the electron beams across the display screen, said electron gun comprising a centering cup having a first part provided with a central aperture and two outer apertures for passing the three electron beams, and a second part extending in the direction of the display screen for avoiding sparks, the centering cup being provided with slits for reducing the effects of eddy currents, characterized in that the centering cup comprises a first bridge and a second bridge creating the slits between the first and second parts, such that a first line drawn between a first end of the first bridge and a first end of the second bridge intersects a second line drawn between a second end of the first bridge and a second end of the second bridge, and the bisectrix of the intersecting lines is substantially parallel to the first direction.

2. A color cathode ray tube as claimed in claim 1, characterized in that the first part comprises a plate provided with the central aperture and the two outer apertures, the slits being substantially parallel to the plate.

3. A color cathode ray tube as claimed in claim 1, characterized in that the lengths of the slits are at least 50% of the diameter of the centering cup.

4. A color cathode ray tube as claimed in claim 1, characterized in that the second part comprises a circular symmetric jacket.

5. A color cathode ray tube as claimed in claim 1, characterized in that the first and second parts comprise respective circular symmetric jackets.

6. A color cathode ray tube as claimed in claim 1, characterized in that the centering cup is provided with a ring comprising a ferro-magnetic material.

7. A color cathode ray tube as claimed in claim 1, characterized in that the slit has a width of about 0.1 mm.

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